Met Office

June 2016

The averaging period used for the following assessment was 1981-2010.

UK overview

At the start of June, Britain's weather was dry and settled, but often cloudy away from sheltered western areas, with north-easterly winds bringing low cloud in from the North Sea. Showers and thunderstorms increasingly broke out inland after the 5th, although there was further warm sunny weather at times, particularly in the west. From the 10th onwards, the weather was generally unsettled, wet and cloudy with low pressure often in charge. There were also thundery downpours at times, and heavy rain and thunderstorms caused significant disruption in the south-east on the 23rd.

The UK mean temperature was 13.9 °C, which is 0.9 °C above the 1981-2010 long-term average. The positive anomaly was generally larger by night than by day, and the mean minimum temperature was the second-warmest in records going back to 1910. Rainfall was 130% of average, and it was a very wet month in Aberdeenshire and much of England and Wales, with more than twice the normal rainfall in some areas. Most of northern Britain had close to average rainfall. Sunshine was generally below average except in Shetland and north-west Wales, and it was the dullest June on record in south-east and central southern England. The UK had 81% of average sunshine overall, making it the equal-fifth dullest June in the series.

The UK monthly extremes were as follows: A maximum temperature of 27.8 °C was recorded at Porthmadog (Gwynedd) on the 5th. A minimum temperature of -0.1 °C was recorded at Resallach (Sutherland) on the 2nd. In the 24 hours ending at 0900 GMT on the 20th, 90.8 mm of rain fell at Blaenau Ffestiniog (Gwynedd). A wind gust of 53 knots (61 mph) was recorded at Needles Old Battery (Isle of Wight) on the 29th.

Weather impacts

On the 7th, heavy thundery downpours caused flash flooding, and fires were reported due to lightning damage, notably in parts of the Home Counties, Lothian and Perthshire. Luton Airport's power supply was affected by flooding, with the UK Border Force's computer system down for a time. Further thunderstorms on the 8th caused flooding around London and the Midlands. London Fire Brigade reported taking 32 flooding calls within 2 hours for incidents in Islington, Clapham and other parts of south-west London, and West Midlands Fire and Rescue Service reported receiving more than 400 weather-related calls in a 3-hour period.

After a quieter day on the 9th, from the 10th to 13th, heavy thundery showers affected some parts of the country on every day, resulting in flash flooding, particularly around London and in the Midlands, Lincolnshire, Norfolk, Cheshire and Lancashire. On the 12th, flights were cancelled and delayed at Gatwick Airport, due to reports of rain damage to the main runway. On the 13th, a landslide at Corby disrupted train services to and from St Pancras, and flooding stopped train services to Norwich.

Impacts were widespread on the 14th. Flash flooding and reports of collapsed roofs resulted in two stores at Coliseum Shopping Park, Cheshire being closed for over two weeks. Flights were disrupted at Manchester Airport, and Gloucestershire FRS received over 100 calls in a 2-hour period. Over 100 properties in the Cheltenham area were reported to have been flooded. There were reports of property flooding and lightning damage, especially in north-east Wales, and parts of the Bullring Shopping Centre in Birmingham were closed after water poured in through the roof.

Heavy thundery showers continued between the 15th and 17th, causing localised flooding and disruption to road and rail transport in many parts of central and southern England. Leicestershire was particularly affected on the 15th, when there was a landslide on the rail line between Birmingham and Leicester. On the 17th, impacts were confined to southern England, and lightning damaged railway signalling equipment near Folkestone.

After a quieter spell, torrential rain and thunderstorms caused widespread flooding in the south-east on the 23rd, coinciding with EU Referendum Day. Road and rail links were significantly affected across the area, including the M25, M4 and M1 and trains travelling to, from and within London. London Fire Brigade said it had attended more than 400 incidents, including properties hit by lightning, and polling stations in Kingston and Barking had to be closed due to flooding. Several Tube stations across London were closed, and localised flooding and lightning impacts were also reported elsewhere in the south-east and East Anglia, as far north as Norfolk.

On the 25th, heavy thundery showers caused localised flooding in Kent, causing property flooding and submerged cars. The M26 was closed in both directions due to surface water-related accidents.

England diary of highlights:

June began settled and dry, but mostly cloudy away from the west, with north-easterly winds bringing low cloud in from the North Sea. It then turned warm, but the weather became progressively more unsettled from the 7th, with frequent thundery downpours in many parts of the country, and some longer spells of rain. From the 19th onwards, changeable westerlies dominated and brought frequent rain or showers, and a thundery outbreak caused disruption in the south-east on the 23rd.

The mean temperature for June was 0.7 °C above the 1981-2010 long-term average, but the positive anomaly was much greater by night than by day, especially in the east and south, and for minimum temperatures this was England's equal warmest June in a series since 1910. Parts of the north-east had close to average rainfall, but otherwise it was a wet June, with 153% of average rainfall, and some locations in the south-east had their wettest June on record. Sunshine was below average, especially in the south, with 71% of average overall, making it the 4th dullest June in a record from 1929. The south-east and central southern England region had its dullest June in the series.

1st to 4th

The 1st was mainly cloudy and cool with patchy rain or drizzle through the Midlands and south and heavy showers across the south-east, the showers clearing early afternoon. The 2nd was mainly dry, and it was sunny across Cumbria, Lancashire and the south-west, but cloudy elsewhere and cool, especially along the east coast. The 3rd was again cloudy for most with some showery rain affecting the south-east, and the best of the sunshine in the north-west and south-west. The 4th was mainly dry, but cloudy away from sheltered western areas; showers developed over Merseyside and Cheshire and it was cool on the east coast.

5th to 10th

The 5th and 6th were dry, sunny and warm with a maximum of 27.4 °C at Myerscough (Lancashire) on the 6th, but it was much cooler down the east coast. The 7th started dry but thundery showers developed inland in the north and in many southern areas, with 61 mm at Woburn (Bedfordshire) and 40 mm in one hour at Kenley (Greater London). After early patchy fog in places on the 8th, most places had a dry and bright day but with some thundery showers later, particularly around London, Birmingham and inland parts of the north-west. Cloud and patchy fog on the 9th burned off by lunchtime, but showers developed later in the north, with temperatures widely reaching the mid 20s away from the east coast. The 10th was warm, cloudy and humid with thundery downpours for many central areas.

11th to 18th

It was cloudy with rain almost everywhere on the 11th, and thundery showers developed in some eastern parts, with Wattisham (Suffolk) recording 33 mm in an hour during the early evening. The 12th was mainly cloudy with rain spreading east during the day, which turned thundery in the Midlands .It was cloudy with bands of rain or showers moving east during the day on the 13th, and again mostly cloudy with widespread showers for the 14th, the showers turning heavy and thundery over central and southern regions, but with brighter, drier conditions in the north. It was dry for many to start the 15th but with showers over the south-west, and showers became widespread later, and thundery in places. Showers over the West Midlands on the 16th became more widespread, heavy and thundery in places. Thundery showers again on the 17th, particularly in the south-east. Early rain for East Anglia on the 18th soon gave way to a largely dry, sunny day before patchy rain and drizzle affected south-western parts later.

19th to 25th

On the 19th after a dry morning rain spread from the west reaching the far south-east by late evening. The 20th started wet for the south-east but cleared by early afternoon to leave scattered showers. The 21st was mainly warm and dry with sunny spells although isolated showers broke out in the south and west later. There were patchy rain and showers in the south early on the 22nd with the best of any sunny spells in the north, but thunderstorms developed over southern areas during the evening. The early hours of the 23rd saw widespread heavy showers and thunderstorms for the south-east causing localised flooding; South Farnborough and London St James's Park each recorded 44 mm in 6 hours. A drier day followed on the 24th but showers and scattered thunderstorms developed. The 25th saw sunshine and widespread showers.

26th to 30th

The south-east saw heavy showers to start the 26th but these were replaced by a band of rain spreading slowly east. There was a brief respite on the 27th, when it remained largely dry with sunny spells. The 28th was wet throughout with rain spreading north-east leaving brighter skies later for south-western parts. The 29th again saw some persistent rain giving 10-20 mm in northern parts with showery outbreaks elsewhere. After a mainly dry morning on the 30th, showers broke out in the afternoon followed by more persistent rain for the north and west.

Wales diary of highlights:

June started warm and dry, with some sunshine at times particularly for western parts of the country. Thundery showers broke out frequently from the 6th, and from the 10th onwards the weather was generally very unsettled, with low pressure often dominant, and showers or longer spells of rain.

The mean temperature for June was 1.3 °C above the long-term average, but the positive anomaly was much larger by night than by day, and for minimum temperature this was the warmest June in a series since 1910. It was a wet month, with some western parts having over twice the normal rainfall, and 152% of average overall. It was a sunny month in the north-west but cloudy elsewhere, and Wales had 90% of average sunshine.

1st to 4th

The 1st was mainly dry with sunny spells, especially across western parts, more cloudy over border regions, and warm, with a maximum temperature of 22.3 °C at Trawsgoed. The 2nd was dry with lengthy sunny periods and warm as well, with temperatures into the low twenties Celsius and 15.5 hours of sunshine at Valley (Gwynedd). The 3rd continued dry, sunny and warm. The 4th was mainly dry but cloudier, though again warm, with sunny spells across the north-west.

5th to 11th

The 5th was another warm and sunny day, but some showers broke out late in the day in the north and west, with Porthmadog (Gwynedd) recording 27.8 °C. After a sunny morning on the 6th, thundery showers developed from early afternoon. The 7th was cloudier, with light rain in the morning turning to thundery

showers in the afternoon. Coastal fog featured on the 8th but it was otherwise a dry sunny day apart from a few late-afternoon showers around Snowdonia. The 9th started bright but turned showery from late morning, the showers persisting into the evening. The 10th was warm and humid, with temperatures into the low to mid 20s Celsius, but with thundery showers in central and northern parts. It was cloudy with rain or showers for most of the 11th.

12th to 18th

Most places started wet on the 12th, then after a dry afternoon interlude, thundery showers developed in the south-east into the evening. It was cloudy and wet on the 13th, the rain turning showery into the afternoon. Showers and thunderstorms persisted through the day on the 14th and 15th away from northern and south-western coasts, with Porthmadog (Gwynedd) recording 50 mm of rain on the 15th. There was a mix of sunshine and widespread heavy and thundery showers for the 16th. Similar on the 17th with northern parts receiving the best of any sunshine but showers turned thundery later for southern parts. The 18th started dry but rain edged into western areas during the morning making slow progress east.

19th to 25th

The 19th was wet throughout with Capel Curig (Gwynedd) recording 48 mm. Overnight rain cleared early on the 20th to leave a bright, breezy and largely dry day for all. Mainly dry with sunny spells on the 21st. A similar day on the 22nd but with some isolated showers. The 23rd saw showers in the west but it was bright and dry elsewhere. There was a mix of sunshine and scattered showers on the 24th with thunderstorms breaking out in the afternoon. Another day of sunshine and showers followed on the 25th.

26th to 30th

After a bright start on the 26th, rain spread from the west during the morning. The 27th was largely dry with varying cloud and brighter spells but isolated showers in the north. The 28th was wet throughout with 10-20 mm of rain falling widely, and thundery showers developed across the south-west later. Early persistent rain gave totals in excess of 20mm throughout mid-Wales on the 29th, clearing later with showery outbreaks following behind. Sunshine and showers on the 30th, the showers heaviest in southern and western areas.

Scotland diary of highlights:

The first week of June was mostly dry and sunny, and it was very warm in the west, but cool in the east, due to winds frequently coming from the east or north-east. The weather turned less settled from the 7th, and low pressure brought frequent rain or showers to much of the country, but there were occasional dry bright days in between.

The mean temperature for June was 1.0 °C above the long-term average, but the mean maximum temperature was near to slightly below average in the east, and well above in the west. Aberdeenshire had about twice the normal rainfall, but rainfall was mostly near or below average in the west, and Scotland as a whole had 101% of average rainfall. Sunshine was generally near or slightly below average, with 95% of average overall, but Shetland had a sunny month.

1st to 6th

The 1st was mainly dry with sunshine for western areas, cloudier across the far north and the Border regions and cooler along the east coast. The 2nd was another mainly dry day after a cold start with Resallach (Sutherland) falling to -0.1 °C. It was cloudy across the north on the 3rd with heavy showers moving slowly south-west, but it was a mostly sunny day across Argyll, Bute and the south-west before cloud spread from the north-east in the evening. The 4th started cloudy and misty but the cloud melted away to leave a mostly sunny day, and it was warm with temperatures again in the low twenties Celsius away from the east coast. Still cool on the east coast on the 5th, otherwise sunny and warm with Lerwick (Shetland) recording 16.7hrs of

sunshine. Similar conditions for the 6th with Glasgow Bishopton recording 27.3 °C but thundery showers developed over central and Borders regions late in the day.

7th to 10th

After a bright start on the 7th, slow-moving rain and thundery showers developed widely during the afternoon with 87.8 mm of rain being recorded at Scardroy, Ross & Cromarty. It was cloudy with patchy rain in the north on the 8th, sunnier in the south, and showers developed over western parts. Generally sunny on the 9th with showers developing over Grampian during the afternoon and the Borders by evening. The 10th was cooler, with rain mostly confined to the west and showers breaking out across the south-west and Borders.

11th to 16th

It was dull and wet on the 11th for all but the very far north, and again generally cloudy on the 12th, with rain or drizzle for central and Borders areas persisting into the evening. It was cloudy and wet for the south and west on the 13th, but drier and sunnier to the north and east. Western areas were dry on the 14th but it was cloudy elsewhere, with rain or showers, which turned heavy in the afternoon. Rain lingered for most parts north of the Central Belt on the 15th; drier over the Borders but heavy showers moved into the south-west late in the day. The 16th started generally wet but was drier in the east for a time before more rain arrived in late afternoon.

17th to 22nd

The 17th was generally cloudy with rain in the east contrasting with much drier weather in the west. The 18th was warmer, especially in the west, and it was a dry sunny day although patchy rain and drizzle spread into the Western Isles. A bright start in the east on the 19th but rain spread from the south-west from midday. The 20th was bright, breezy and largely dry except for isolated showers in the south-west. The 21st was a breezy day with sunny spells, and some showers for the north and west. The 22nd was another breezy day with sunny spells and scattered showers, the showers mainly in the north.

23rd to 30th

The 23rd was a day of sunshine and showers. The 24th had sunshine and heavy showers, with thunderstorms in some Highland and north-eastern areas. A showery start for many eastern areas on the 25th but the showers became more widespread and heavy during the day, with thunder in some places. After a dry start on the 26th, rain spread from the west in late morning reaching eastern areas during the afternoon. A day of sunshine and showers on the 27th although the showers were more scattered than of late. A wet day followed for most on the 28th with rain spreading north-east but staying relatively bright further east. The 29th saw persistent rain in the Borders with scattered showers further north. Mainly cloudy on the 30th with scattered showers, the showers heaviest and most frequent in the west.

Northern Ireland diary of highlights:

June started dry, sunny and warm, and it remained so for most of the first week though with some thundery showers at times. From the 10th onwards, however, the weather was generally unsettled with low pressure often dominant, bringing showers and longer spells of rain.

The mean temperature for June was 1.4 °C above the long-term average. It was generally wetter and cloudier than average, with 117% of average rainfall and 87% of average sunshine.

1st to 4th

The 1st started cloudy with a few fog patches, clearing to leave a dry, sunny, warm day with maximum temperature 23.2 °C at Derrylin (County Fermanagh). The 2nd was again dry and sunny with temperatures into the low to mid twenties Celsius and Aldergrove (Antrim) recording 15.5 hours of sunshine. The 3rd started

cloudy but the cloud soon cleared to leave another sunny and warm day. The 4th was a dry but mainly cloudy day, with occasional sunny spells and remaining warm.

5th to 10th

The 5th was dry and sunny but showers developed in the west of the Province late in the day. A sunny start to the 6th with thundery showers developing during the afternoon, and very warm with Peatlands (Armagh) recording 25.3 °C. It was cloudy with rain and thundery showers developing on the 7th. After early patchy fog in places, the 8th saw a cloudy morning but a sunnier afternoon. It was generally cloudy away from the north coast on the 9th with showers over the west during the afternoon. The 10th was cloudy and humid with thundery downpours spreading eastwards from late morning.

11th to 18th

The 11th was wet, with rain in the morning and thundery showers in the afternoon. The 12th was cloudy and wet for much of the day. It was wet again on the 13th with the best of any dry weather in eastern parts. After a widespread wet start on the 14th, it turned showery, but dried up through the afternoon and evening. There were showers for most parts on the 15th but it was generally brighter and drier towards the east. It was cloudy on the 16th, and rain became widespread during the afternoon but cleared later. Dry on the 17th with sunny spells in the north. After a dry but cloudy start on the 18th, rain spread eastwards from late afternoon.

19th to 22nd

The 19th was a very wet day, with rain spreading east from early morning but clearing late afternoon. It was breezy on the 20th with isolated showers and sunny spells. The 21st was cloudy, with isolated showers into the afternoon and evening. The 22nd was breezy, but quite warm in the east, with sunny intervals and scattered showers.

23rd to 30th

The 23rd continued quite warm with sunny spells, but scattered showers turned heavy with localised thunderstorms through the evening. Heavy showers continued through the morning on the 24th and persisted through the day, with thunderstorms later but also some sunshine. The 25th was breezy, but drier, with scattered showers and sunny spells. A wet start to the 26th was followed by a scattering of light showers but it remained cloudy. Showers were restricted mainly to the north on the 27th, and these died out by evening. Persistent rain on the morning of the 28th turned patchier and more showery later. The morning of the 29th saw persistent rain spreading north-east, clearing to give showery outbreaks and brighter spells. The 30th started dry, but rain spread in during the early afternoon.

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